the measurement of miscibility temperatures with phenol. The miscibility temperatures of certain pairs of salts follow very nearly an additive rule; other salts show marked deviations, and for these the existence of double salts in solution appears probable.—MM. **Lespieau** and **Bourguel**: The production of true acetylene hydrocarbons starting from epidibromhydrin. Compounds of the type $CH_2{:}CBr{\cdot}CH_2R$ are readily obtained by the interaction of α-epidibromhydrin and a magnesium alkyl derivative, and from these by three simple reactions good yields of substituted acetylenes, $HC{:}C{\cdot}CH_2R$, are produced. Full details of the preparation of normal pentine (n-propylacetylene) by this method are given.—E. **Chaput**: Remarks on the *rôle* of dislocations in the tectonic of the Côte d'Or.—P. **Bonnet**: The movements of the seas at the limit of the Permian and the Trias in the geosynclinals of Eurasia.—G. M. **Stanoievitch**: The aeroplane and hail. Suggestions for the prevention of hailstorms by aeroplanes.—M. **Nobécourt**: The anatomical structure of the tubercles of the Ophrydeæ.—G. **Mangenot**: The evolution of the chromatophores and the chondriome in the Florideæ.—P. **Guérin** and Ch. **Lormand**: The plasmolytic action of a certain number of vapours.—MM. **Lapicque** and **Brocq-Rousseu**: Marine algæ as food for the horse. An account of an experiment on two horses in full work. The oats in the ration were gradually replaced by seaweed (*Laminaria flexicaulis*), and the horses worked normally for twenty days on food from which oats were absent. Then the horses were put to extra heavy work for three days, still on hay and seaweed, and their condition was as good as that of horses doing the same work on the usual food, hay, straw, and oats.—M. **Gautiez**: The influence of the attitude of the body on respiration.—A. **d'Arsonval**: Remarks on the preceding communication.—J. **Amar**: Attitudes of the body and respiration. Walking on the front of the foot, head thrown back, allows large and deep respirations. Walking on the heels has a contrary effect, generally harmful to the health.—R. **Wurmser**: The action of chlorophyll on radiations of different wave-lengths.—A. L. **Herrera**: The imitation of cells, tissues, cell-division, and the structure of protoplasm with calcium fluosilicate. Confirmation of the researches of MM. Gautier and Clausmann on the biological importance of fluorine. Calcium fluosilicate produced by the double decomposition of an alkaline silicate and potassium bifluoride in the presence of calcium chloride and water, if the diffusion of the solutions is very slow, gives remarkable imitations of the structure of protoplasm, natural cells, and their division. These imitations can be studied, stained, and preserved by the usual histological processes.—C. **Perez**: A new type of Epicarid, *Rhopalione uromyzon*, sub-abdominal parasite of *Ostracotheres spondyli*.—J. **Dragoiu** and M. **Fauré-Fremiet**: Development of the aerial canals and the histogenesis of the pulmonary epithelium in the sheep.—W. R. **Thompson**: *Cyrillia angustifrons*, parasite of a terrestrial Isopod, *Metaponorthus pruinosus*.—P. **Thomas** and A. **Chabas**: The estimation of tyrosin and the dibasic amino-acids in the proteids of yeast.—A. **Mayer**, H. **Magne**, and L. **Plantefol**: The toxic action of dichloroethyl sulphide.—A. **Besredka**: An attempt at the purification of therapeutic sera.—F. **Ladreyt**: Histological polymorphism of certain epithelial neoplasms and the relations between these inflammatory neoformations to cancerous tumours.

SYDNEY.

Linnean Society of New South Wales, April 28.—Mr. J. J. Fletcher, president, in the chair.—G. H. **Hardy**: Synonyms, notes, and descriptions of Australian flies of the family Asilidæ. As a result of work done since the revision of Australian species of this family by Miss Ricardo in 1912–13, it has become possible to establish the identity of many of the species which were not identified at the time. The present paper deals almost entirely with the genus Neiotamus. Of the forty-seven species usually placed in sub-genera of this genus, twenty are dealt with and placed under twelve species; two additional species are described as new.—F. **Muir**: A new genus of Australian Delphacidæ (Homoptera). Most, if not all, of the described Australian Delphacidæ are from eastern States. Of the fourteen genera recorded as Australian the author considers only one as entogenic. The genus described as new in this paper is from King George's Sound, South-West Australia, and is regarded as entogenic.—Dr. C. P. **Alexander**: An undescribed species of Clytocosmus, Skuse (Tipulidæ, Diptera). The genus Clytocosmus was proposed by Skuse in 1890, and has remained monotypic until now, the type species being *C. Helmsi* from Kosciusko. A second species is here described as new from Ulong, on the Dorrigo tableland.

Books Received.

A Text-Book of Organic Chemistry. By E. de B. Barnett. Pp. xii+380. (London: J. and A. Churchill.) 15*s.* net.

Johnston's New Era School Atlas. Pp. 40. (Edinburgh: W. and A. K. Johnston, Ltd.; London: Macmillan and Co., Ltd.) 1*s.* net.

Orographical, Regional, Economic Atlas. Part i.: British Isles. Pp. 32. (Edinburgh: W. and A. K. Johnston, Ltd.; London: Macmillan and Co., Ltd.) 1*s.* 6*d.* net.

Notes on Dynamics: With Examples and Experimental Work. By T. Thomas. Pp. 123. (London: Crosby Lockwood and Son.) 6*s.* net.

The Nomenclature of Petrology. By Dr. A. Holmes. Pp. v+284. (London: T. Murby and Co.) 12*s.* 6*d.* net.

The Botany of Iceland. Edited by Dr. L. K. Rosenvinge and Dr. E. Warming. Vol. ii., part 1. Pp. 248+5 plates. (Copenhagen: J. Frimodt; London: J. Wheldon and Co.)

The Life and Work of Sir Jagadis C. Bose (an Indian Pioneer of Science). By Prof. P. Geddes. Pp. xii+259. (London: Longmans, Green, and Co.) 16*s.* net.

Meddelelser fra Kommissionen for Havundersøgelser. Serie Fiskeri. Bind 5, No. 9, 1919. Investigations as to the Effect of the Restriction on Fishing during the War on the Plaice of the Eastern North Sea. By Dr. A. C. Johansen and Dr. K. Smith. Pp. 53. Serie Fiskeri. Bind 6, No. 1, 1920. On the Occurrence of the Post-larval Stages of the Herring and the "Lodde" (*Clupea harengus*, L., and *Mallotus villosus*, O. F. M.) at Iceland and the Faeroes. By P. Jespersen. Pp. 24. (København: C. A. Reitzel.)

Fisheries. England and Wales. Ministry of Agriculture and Fisheries. Fishery Investigations. Series ii.: Sea Fisheries. Vol. iv., No. 3. Report on the Scales of some Teleostean Fish, with special reference to their Method of Growth. By G. W. Paget. Pp. 24+4 plates. 3*s.* 6*d.* net. Series iii.: Hydrography. Vol. i.: The English Channel. Part 3: The Section from the Isle of Wight to Havre. Review of the Physical and Chemical Properties of the Surface Waters, and the Variations of these Properties from August, 1904, to December, 1918, in Comparison with Corresponding Variations on the Sections discussed in parts 1 and 2 of this volume.

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By Dr. E. C. Jee. Pp. 24. 3*s*. net. Series iii.: Hydrography. Vol. i.: The English Channel. Part 4: The Section from Newhaven to Caen. Review of the Physical and Chemical Properties of the Surface Waters, and the Variations of these Properties from November, 1903, to May, 1912, in the English Channel from Newhaven to the Bay of the Seine. By Dr. E. C. Jee. Pp. 26. 3*s*. net. Series iii.: Hydrography. Vol. iv.: The North Sea. Part 1: From the River Tyne towards the Naze of Norway. Review of the Variations of the Physical and Chemical Properties of the Waters of the North Sea, together with Observations on the Dogger Bank. By Dr. E. C. Jee. Pp. 101. 12*s*. net. (London: H.M. Stationery Office.)

On Gravitation and Relativity: Being the Halley Lecture delivered on June 12, 1920. By Dr. R. A. Sampson. Pp. 24. (Oxford: At the Clarendon Press.) 2*s*. net.

Caithness and Sutherland. By H. F. Campbell. Pp. ix+168. (Cambridge: At the University Press.) 4*s*. 6*d*. net.

Kirkcudbrightshire and Wigtownshire. By W. Learmonth. Pp. ix+149. (Cambridge: At the University Press.) 4*s*. 6*d*. net.

Creation: Viewed by the Light of Modern Science. A Lecture given by W. Hackney, 1875. Pp. vi+29. (London: N. G. Hackney.)

Heredity and Social Fitness: A Study of Differential Mating in a Pennsylvania Family. By Dr. W. E. Key. Pp. 102. (Washington: Carnegie Institution.)

The Inscriptions at Copan. By S. G. Morley. Pp. xii+643+33 plates. (Washington: Carnegie Institution.)

Department of Agriculture and Natural Resources, Weather Bureau. Annual Report of the Weather Bureau for the Year 1917. Part 3: Meteorological Observations made at the Secondary Stations during the Calendar Year 1917. Pp. 360. (Manila.)

Union of South Africa. Department of Mines and Industries. Geological Survey. Memoir No. 13: Mica in the Eastern Transvaal. By A. L. Hall. Pp. 95+xviii plates. (Johannesburg.) 7*s*. 6*d*.

Type Ammonites. By S. S. Buckman. Part xxii. Pp. 17–18+16 plates. (London: W. Wesley and Son.)

Unconscious Memory. By S. Butler. Third edition. Pp. xxxix+186. (London: A. C. Fifield.) 8*s*. 6*d*. net.

Luck, or Cunning, as the Main Means of Organic Modification? An Attempt to Throw Additional Light upon Darwin's Theory of Natural Selection. By S. Butler. Second edition. Pp. 282. (London: A. C. Fifield.) 8*s*. 6*d*. net.

The Assessment of Physical Fitness by Correlation of Vital Capacity and Certain Measurements of the Body. By Prof. G. Dreyer, in collaboration with G. F. Hanson. Pp. xi+115. (London: Cassell and Co., Ltd.) 10*s*. net.

A Geographical Bibliography of British Ornithology from the Earliest Times to the End of 1918. By W. H. Mullens, H. Kirke Swann, and Rev. F. C. R. Jourdain. Part v. Pp. 385–480. (London: Witherby and Co.) 6*s*. net.

Department of the Interior. Bureau of Education. Statistics of State School Systems, 1917–18. By H. R. Bonner. Pp. 155. (Bulletin No. 11, 1920.) (Washington: Government Printing Office.)

The Tides and Tidal Streams. By Dr. W. B. Dawson. Pp. 43+viii plates. (Ottawa: Department of the Naval Service.)

Cocoa and Chocolate: Their History from Plantation to Consumer. By A. W. Knapp. Pp. xii+210. (London: Chapman and Hall, Ltd.) 12*s*. 6*d*. net.

The Extra Pharmacopœia of Martindale and Westcott. Revised by Dr. W. H. Martindale and Dr. W. W. Westcott. Seventeenth edition. In 2 vols. Vol. i. Pp. xxxix+1115. (London: H. K. Lewis and Co., Ltd.) 27*s*. net.

British Museum (Natural History). Economic Series, No. 1. The House-fly as a Danger to Health. By Major E. E. Austen. Pp. 20. 3*d*. Economic Series, No. 3. Fleas as a Menace to Man and Domestic Animals. By J. Waterston. Pp. 20. 4*d*. Economic Series, No. 4. Mosquitoes and their Relation to Disease. By F. W. Edwards. Second edition. Pp. 19. 4*d*. Economic Series, No. 6. Species of Arachnida and Myriopoda (Scorpions, Spiders, Mites, Ticks, and Centipedes) Injurious to Man. By S. Hirst. Second edition. Pp. 59+3 plates. 1*s*. Economic Series, No. 8. Rats and Mice as Enemies of Mankind. By M. A. C. Hinton. Second edition. Pp. x+67+2 plates. 1*s*. (London: British Museum (Natural History).)

Diary of Societies.

THURSDAY, JULY 15.

ROYAL SOCIETY OF MEDICINE (Dermatology Section), at 5.

CHADWICK PUBLIC LECTURE (in Surveyors' Institution), at 5.15.—Dr. N. White: Health Conditions in Eastern Europe—Typhus a Serious Menace.

RÖNTGEN SOCIETY (at University College), at 9.—Dr. W. D. Coolidge: Address (Special Open Meeting).

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